Tix St. School, Worcester, Mass. Daniel M. Fox, March 9, 1888. Superintendent U.S. Mint Sav Sir: Will you Kurdly answer for me The following questions so far as your overwateous emables your to do so: The metals conspends Selver, & gold Expand in passing from the liquid to the softed state; and will the solid metal, when cast, float in the Linguide mutal I shall be greatly obliged for answers to the above questions. I wish, Warch 15. They Contract in having to the solid state Mes out fully, and lenting Marieccial, 5-9 Minimume St. Morrester, Mass.

RG104 E-1 Box 150 349 Same Delication of the Daniel 121 it st. Worcester. Mass. March. 9. 1888. Sunderson and the second James Jenkens. Inguin if Metals Capper Silver + Gold expand en passing from ligned to Solid State: 4 whether Solia Metal. When cash float in liquid metal; to the solved of atte MAR 12 1883

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[Abstract:] Inquires if metals copper silver & gold expand in passing from liquid to solid state...

Six St. School, Worcester, Mass. March 9, 1888

Daniel M. Fox, Superintendent U.S. Mint, Philadelphia, Pa.

Dear Sir: -

Will you kindly answer for me the following questions so far as your observation enables you to do so? Do the metals copper, silver, & gold expand in passing from the liquid to the solid state; and will the solid metal, when cast, float in the liquid metal? I shall be greatly obliged for answers to the above questions. I wish if possible, to use the answers March 15.

Respectfully,
James Jenkins,
Principle
59 Providence St., Worcester, Mass.

[Noted in margins:]

They contract in passing to the solid state.

[Enclosed note:]

Copper, Silver, and Gold contract in passing from the liquid to solid state. The specific gravity of the solid metal must therefore be greater than the fluid (melted), consequently the solid metal will sink in the liquid metal.